

USER'S GUIDE TO THE ANIMAL MICROBIOLOGY UNIT

The Animal Microbiology Unit of the Animal Disease Diagnostic Laboratory provides cultural examinations for a wide variety of diseases. Some of the most common are listed below.

TEST	SAMPLE
Abortion Screen	Fetus, placenta, fetal stomach contents, uterine contents, (includes culture ID for Trichomonas, Campylobacter, and Brucella)
Acid Fast Stain, (Mycobacterium, Cryptosporidia)	Feces, mucosal scrapings
Aerobic Culture	Fresh chilled tissue, urine, exudate, transtracheal wash
Anaerobic Culture	Fresh tissue, anaerobic culturettes, exudate
Antibiotic Sensitivity (disc diffusion, Vitek)	Performed on isolates recovered from specimens. Please request on accession form that you would like this test done.
Blood Culture	Blood submitted in blood culture bottle
Brucella abortus Culture	Fetal tissues, placenta, milk, lymph nodes
Brucella canis	Fetus, testicle, placenta, uncoagulated blood in a blood culture bottle, lymph nodes, vaginal discharge, milk, semen
Calf Scours	Feces or affected intestine
Campylobacter (Vibrio) Culture (bovine)	Preputial wash, cervical mucus
Campylobacteriosis	Affected intestine
Candida	Lesion, milk
Dermatomycosis	Lesion, hair, scales
Dermatophilosis	Hair and scabs (please submit a good size sample)
Diarrhea/enteritis	Feces, affected intestine
Listeriosis	Cerebellum, pons, medulla, fetus, uterine secretions
Lumpy Jaw (Actinomyces)	Exudate, lesion, sulfur granules
Mastitis (milk) culture	Milk submitted in whirl-paks or sterile tubes. Please notify the laboratory in advance if submitting more than 40 samples at a time.
Mycoplasma	Fresh chilled tissue, transtracheal wash, swab (may require 10-14 days for completion).
Paratuberculosis (Johne's)	Feces, affected intestine, regional lymph nodes
Pinkeye (Moraxella bovis)	Culturette of affected eye. Sometimes difficult to isolate from normal flora.
Pneumonia	Lung (Please indicate if Mycoplasma, Hemophilus, or Rhodococcus is suspected.)
Salmonella	10 grams feces, feed, water, environmental samples
Streptococcus equi (Strangles)	Exudate from non-draining lesion
Trichomonas culture	Preputial wash, vaginal fluid, or submit in a Trichomonas InPouch®